

1 73. (New) An electronically-readable medium storing a program for permitting a computer
2 to perform a method for adding detail to a texture map comprising at least one texture element,
3 the method comprising:
4 generating a detail map;
5 assigning a pointer into said detail map to at least one of the texture elements of the
6 texture map to generate a pointer map, said pointer comprising two offsets including a first offset
7 stored in a first offset map and a second offset stored in a second offset map;
8 interpolating detail color based on the generated detail map;
9 interpolating texture color based on the texture map; and
10 combining detail color with texture color to generate a pixel color.

REMARKS

This application has been filed with Claims 1-57 which are derived from Application Number 08/884,044 entitled SYSTEM AND METHOD FOR MAPPING TEXTURES ONTO SURFACES OF COMPUTER-GENERATED OBJECTS. In that case, the Examiner issued a restriction requirement in an Official Action dated November 23, 1999. Specifically, in the Official Action the Examiner indicated that the pending claims should be divided into five different inventions (I-V) as follows:

- I. Claims 1-5, and 54-59 drawn to mapping a texture on a surface classified in class 345, subclass 430;
- II. Claims 6-7, 25-26, and 60 drawn to specular reflected light classified in class 345, subclass 426;
- III. Claims 8-12, 27-28, and 61 drawn to detail map which is classified in class 345, subclass 430;
- IV. Claims 13-14, and 62 drawn to linking texture maps, classified in class 345, subclass 430; and
- V. Claims 15 and 34 drawn to prefiltering video image, classified in class 382, subclass 260.

In that same action, the examiner indicated that claims 6 and 25 link the inventions set forth in I and II and that the restriction requirement as to these two inventions would be withdrawn subject to the allowability of the linking claims.

Pursuant to 37 CFR 1.53(b), Applicants herein file a divisional application and in this Preliminary Amendment filed therewith, the Applicants now elect to have those claims from inventions I and II prosecuted on the merits.

Respectfully Submitted,
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